

Translation

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rule 43 and 44)

Applicant's or agent's file reference OP030118P	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/CN03/01159	International filing date (day/month/year) 31.Dec 2003(31.12.03)	(Earliest)Priority date (day/month/year) 26.Jun 2003(26.06.03)
Applicant HUAWEI TECHNOLOGIES CO.,LTD ETAL		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**
  - a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
 

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
  - b. With regard to any nucleotide and /or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:
 

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.
2. ☐ Certain claims were found unsearchable (See Box I ).
3. ☐ Unity of invention is lacking (See Box II )
4. With regard to the title,
 

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:
5. With regard to the abstract,
 

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.
6. The figure of the drawings to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☐ None of the figures.

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN03/01159

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7 H04L29/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 H04L29/00 H04L9/00 H04L12/18 H04L29/06

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI, EPODOC, PAJ, CNPAT

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	CN,A,1395388 (ZHONGXING COMMUNICATION CO LTD SHENZHEN) 5. February 2003(05.02.03), see the whole document, figure 1-3	1-11
A	CN,A,1414759 (HUAWEI TECH CO LTD)30. April 2003(30.04.03), see the whole document, figure 1-10	1-11
A	CN,A,1419363 (HUAWEI TECH CO LTD)21. May 2003(21.05.03), see the whole document, figure 1-4	1-11
A	US,A1,2001023487(KAWAMOTO A)20. September 2001(20.09.01), see the whole document, figure 1-7	1-11
A	WO,A,0033509(NORTEL NETWORKS CORP)8. June 2000(08.06.00), see the whole document, figure 1-5	1-11

☐ Further documents are listed in the continuation of Box C. ☒ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim (S) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search  
23. March 2003

Date of mailing of the international search report  
03 · APR 2004 (08 · 04 · 2004)

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**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
PCT/CN03/01159

Patent document Cited in search report	Publication date	Patent family member(s)	Publication date
CN1395388A	05.02.03	NONE	
CN1414759A	30.04.03	NONE	
CN1419363A	21.05.03	NONE	
US2001023487A1	20.09.01	JP2001265729 A	28.09.01
WO0033509A1	08.06.00	US6587943 B1	01.07.03
		AU200015416 A	19.06.00
		EP1135888 A1	26.09.01

## A Method and System on Controlling the Multicast Source

### Abstract

The invention provides a method on the source of the multicast control, including: establish the source of the multicast authentication message; the source of the multicast authentication message controlling terminal updates the said the source of the multicast authentication message dynamic according to the limit of the multicast source; control the multicast message transmitted by the multicast source according to the said multicast source authentication message; the invention also provides a system on the source of the multicast control, including: master multicast source authentication server, a group of slave multicast source authentication server, preset point; by this invention, the preset point request the multicast source authentication application, so as to control managing the multicast source at the first time; manage different multicast addresser by setting the multicast source authentication server layer distribution, saving the resource of the net terminal; without human operation, master and slave multicast source authentication server interactive authentication message periodically and in time, so as to manage the multicast source automatically and in time; thereby realize the purpose which reduce managing and maintenance cost of the multicast internet, improve the administrating and the running ability.

